

DECLASSIFICATION AUTHORITY

The present invention provides a method, apparatus, and system for determining and displaying the service level of a digital television broadcast signal. A digital television receiver receives a digital television broadcast signal. The digital television broadcast signal includes a data test stream composed of a plurality of data packets. A service level determiner is used to determine a service level of the digital television broadcast signal based upon a loss of data packets from the data test stream (i.e. the error rate). The service level determiner additionally causes a representation of the service level to be displayed as a service level diagnostic indicator on a display device, such as a television. The service level diagnostic indicator can be updated at predetermined intervals to allow a user to place their antenna in a best service level position to receive the best service level as indicated by the service level diagnostic indicator.